

Appl. No. 10/074,758
Amendment and/or Responses
Reply to Office action of November 13, 2003

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Listing of the Claims:

A listing of the entire set of pending is submitted herewith per 37 CFR 1.121. This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Previously presented) A plasma picture screen provided with a front plate comprising a glass plate to which a dielectric layer, a UV-reflecting layer, and a protective layer are applied, with a back plate provided with a phosphor layer, with a ribbed structure subdividing the space between the front plate and the back plate into plasma cells which are filled with a gas, and with one or more electrode arrays on the front plate and the back plate for generating corona discharges in the plasma cells, wherein UV light with a wavelength of > 172 nm is produced by said discharges, and wherein said protective layer contacts the gas.

2. (Previously presented) A plasma picture screen as claimed in claim 1, wherein UV light with a wavelength of between 200 and 350 nm is produced in the corona discharges.

3. (Previously presented) A plasma picture screen as claimed in claim 1, wherein the gas is selected from the group comprising mercury vapor, Ne/N₂, and the halides of rare gases.

4. (Previously presented) A plasma picture screen as claimed in claim 1, wherein the UV-reflecting layer comprises a material selected from the group comprising metal oxides, metal fluorides, metal phosphates, metal polyphosphates, metal metaphosphates, metal borates, and diamond

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5. (Previously presented) A plasma picture screen as claimed in claim 1, wherein the UV-reflecting layer contains particles with a particle diameter of less than 300 nm.

6. (Previously presented) A plasma picture screen as claimed in claim 4, wherein the UV-reflecting layer contains particles with a particle diameter of between 20 nm and 150 nm,

7. (Previously presented) A plasma picture screen as claimed in claim 1, wherein the UV-reflecting layer has a thickness of 0.5 μm to 5 μm .